FIG. 1

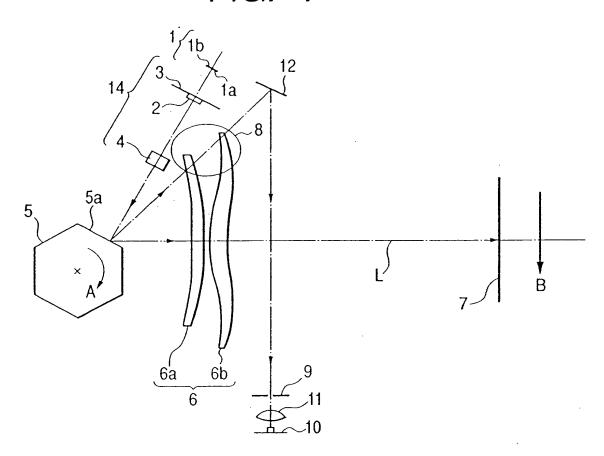
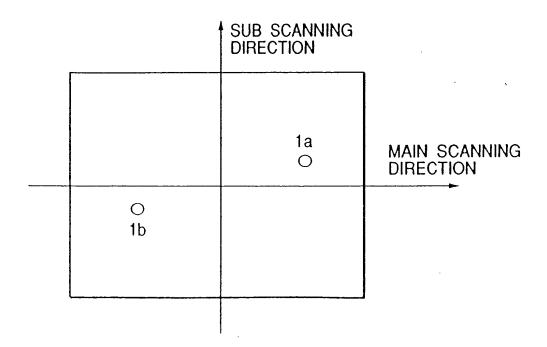
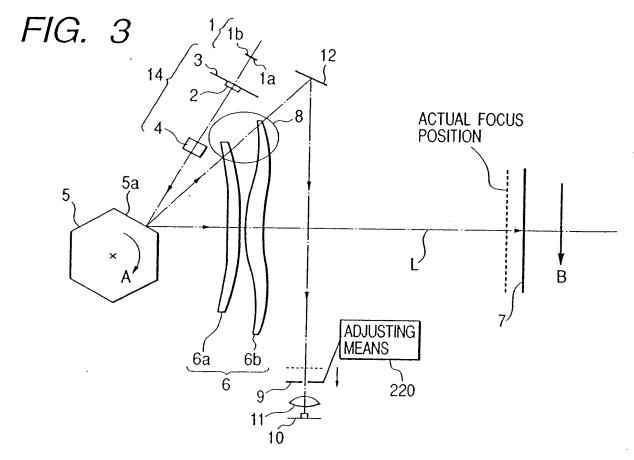
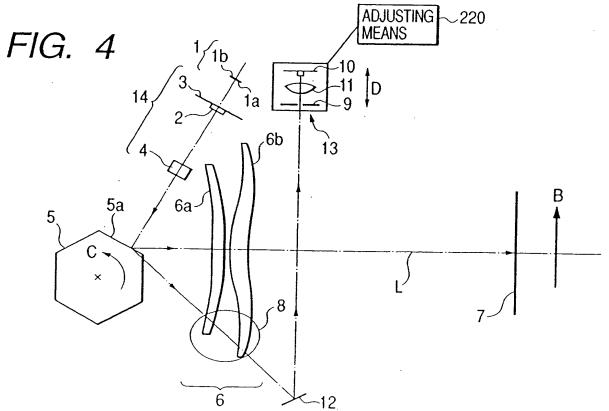
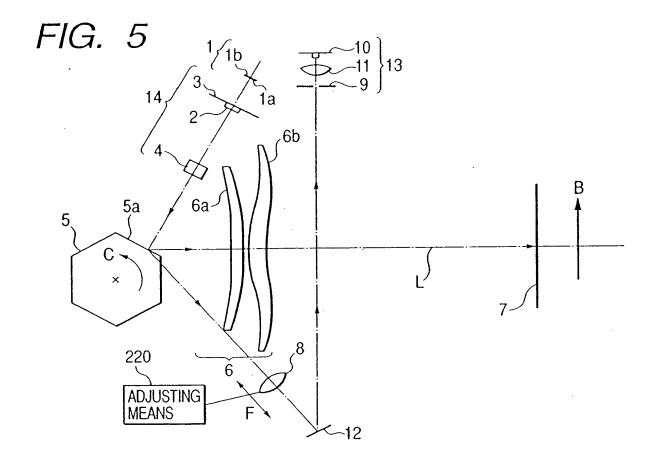


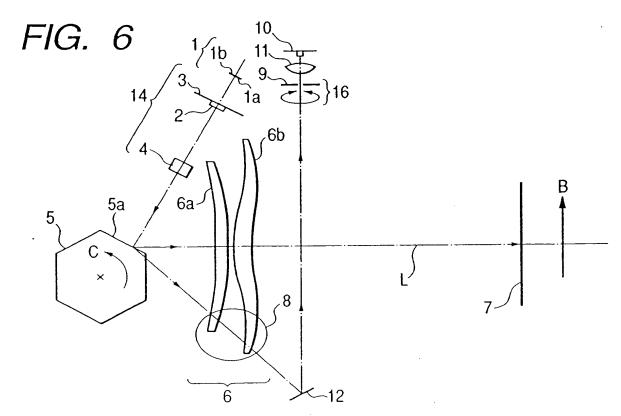
FIG. 2











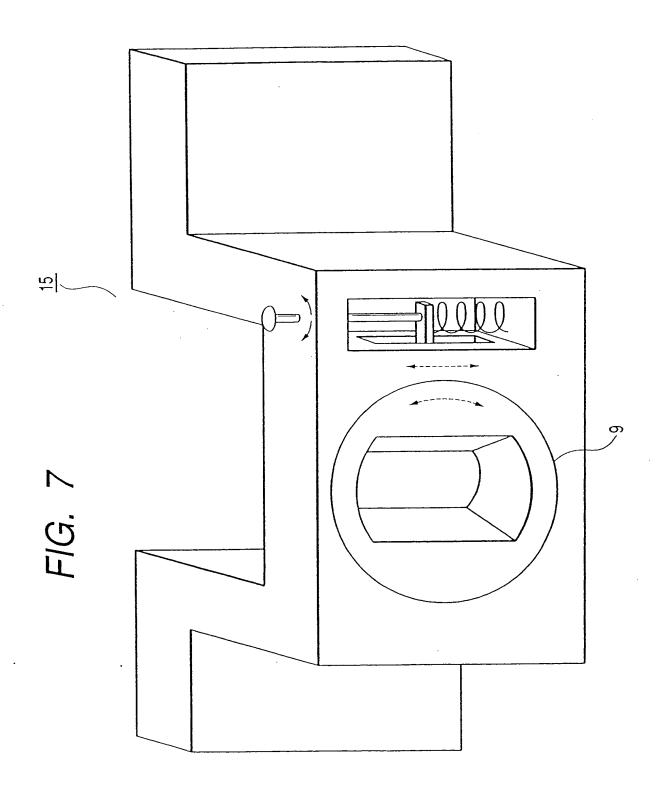


FIG. 8A

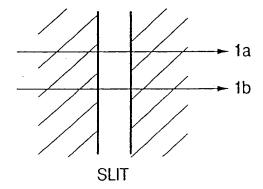


FIG. 8B

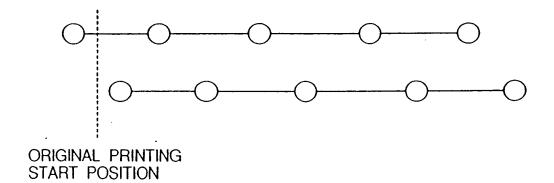


FIG. 9A

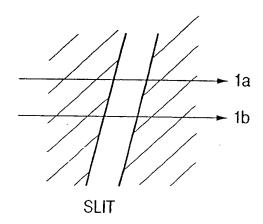


FIG. 9B

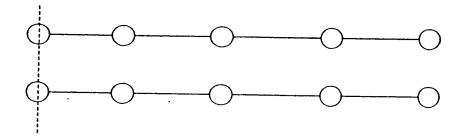
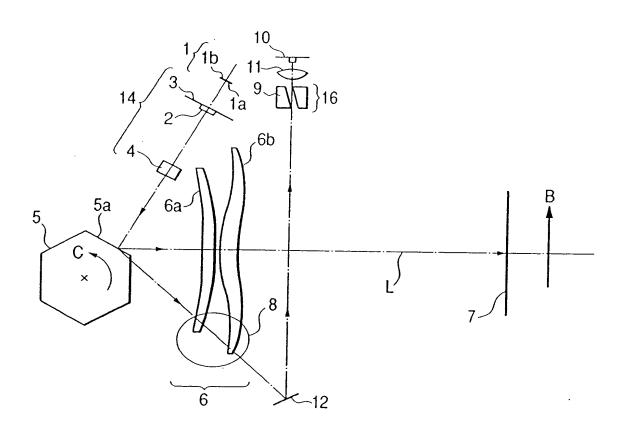
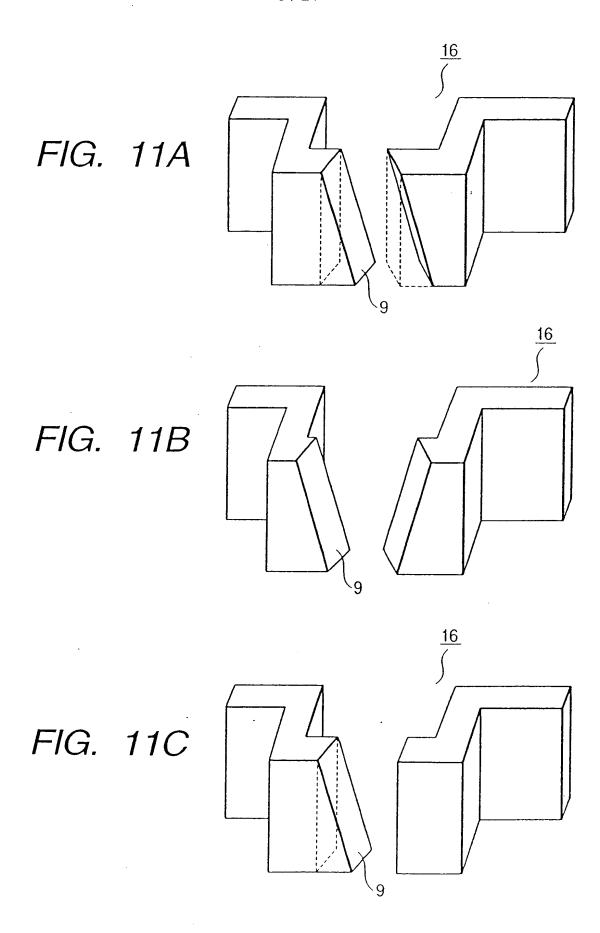
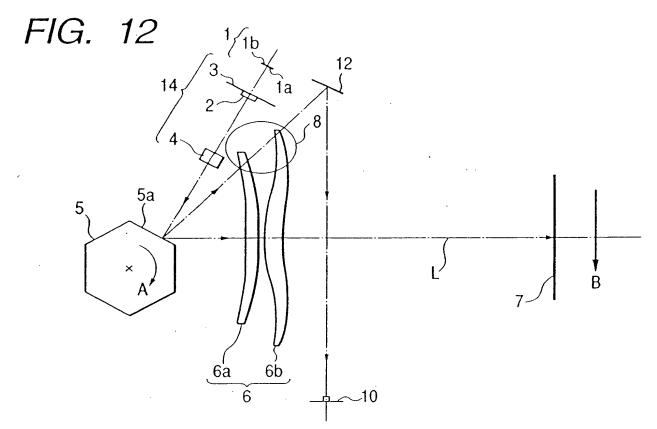
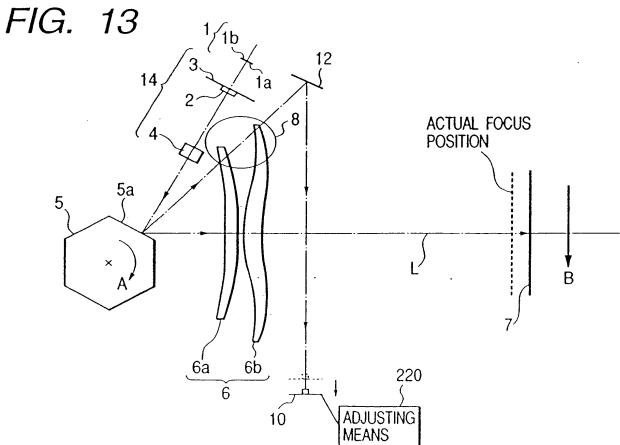


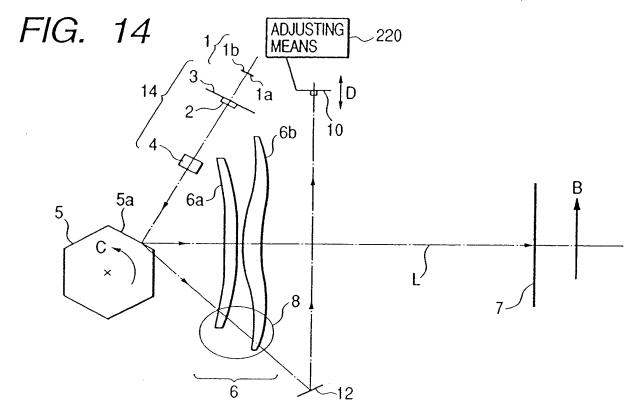
FIG. 10











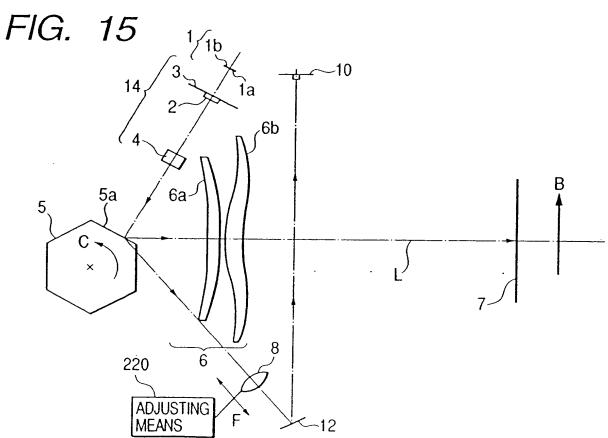


FIG. 16A FIG. 16B

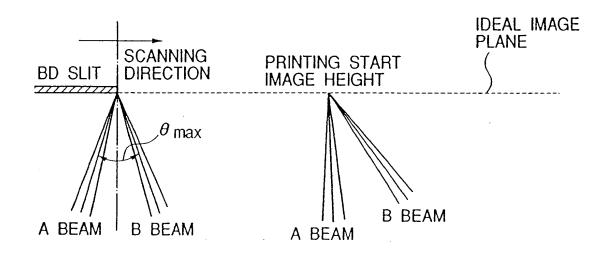


FIG. 17B FIG. 17A ON THE SURFACE TO BE SCANNED ($\delta X=0$) **DEFOCUS OF** IDEAL IMAGE DOT **BD IMAGE PLANE** SHIFT HEIGHT ONLY - δ Y ΔΜ **ACTUAL** A BEAM **ACTUAL** B BEAM **ORIGINAL** A BEAM **ORIGINAL** B BEAM **B BEAM** A BEAM

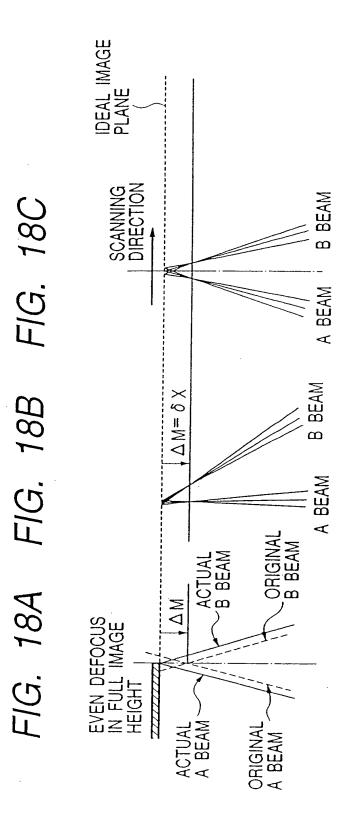


FIG. 19A

FIG. 19B

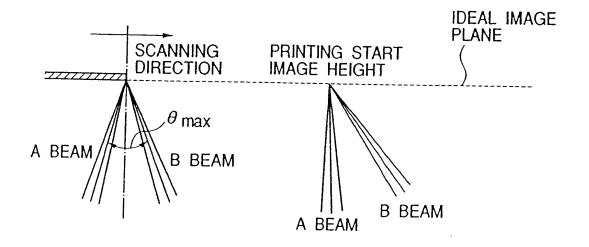
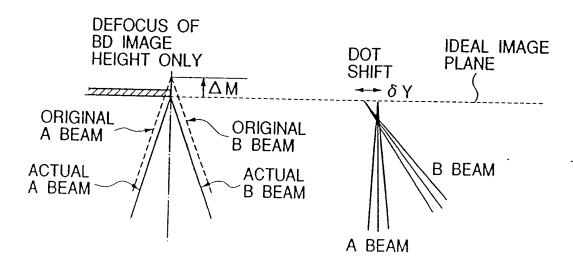


FIG. 20A

FIG. 20B



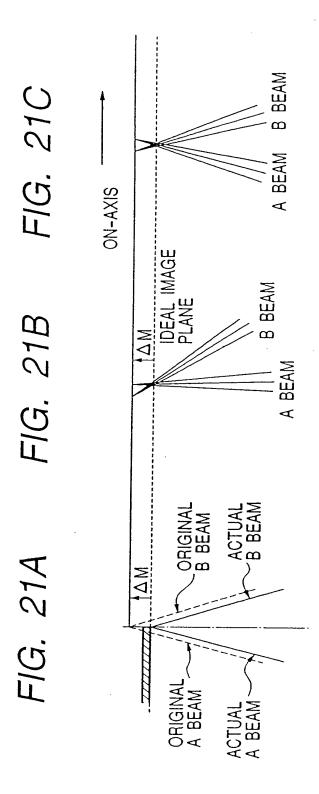
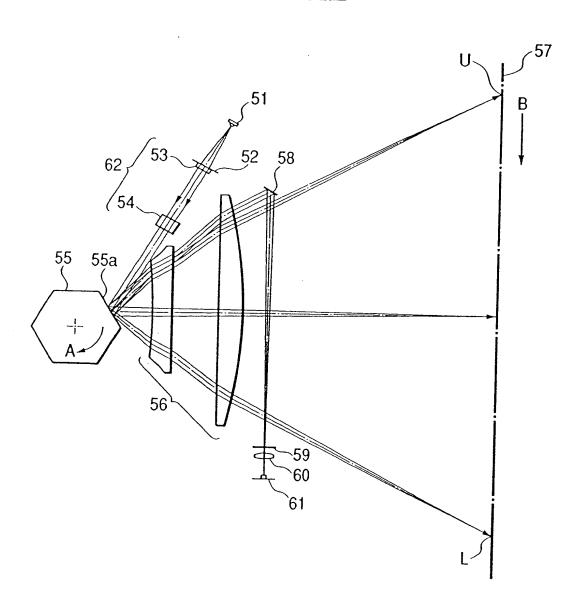
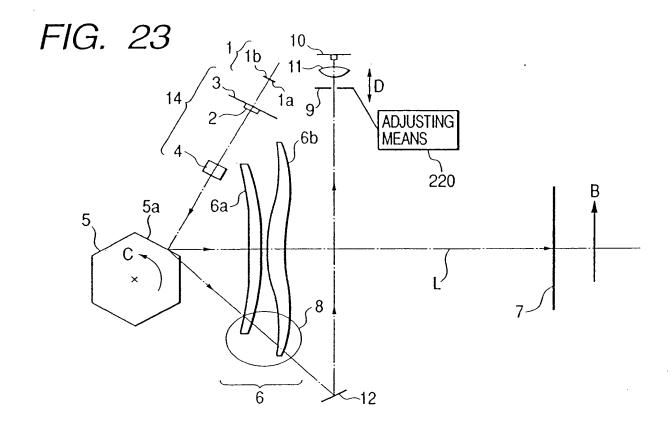
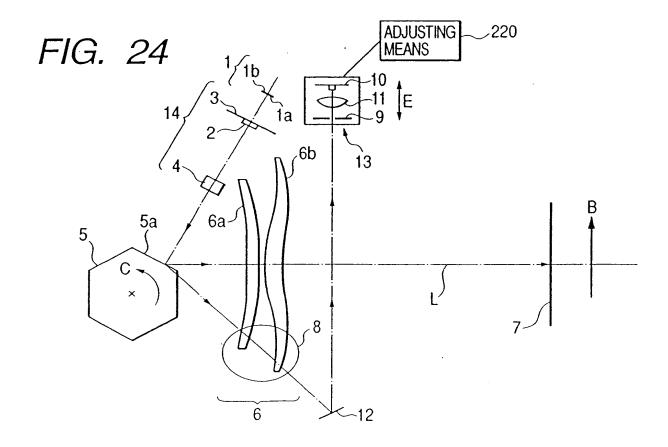
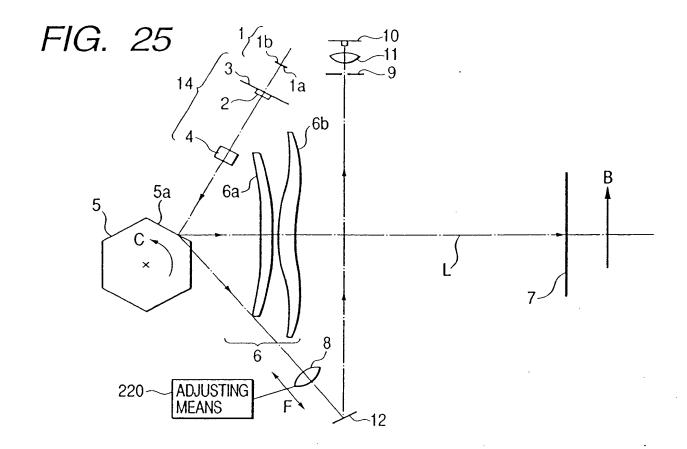


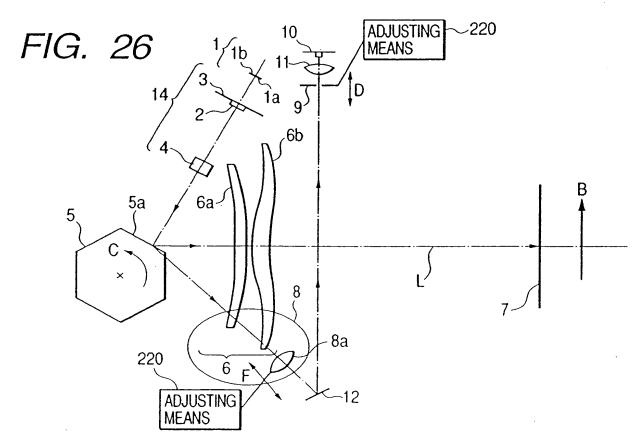
FIG. 22

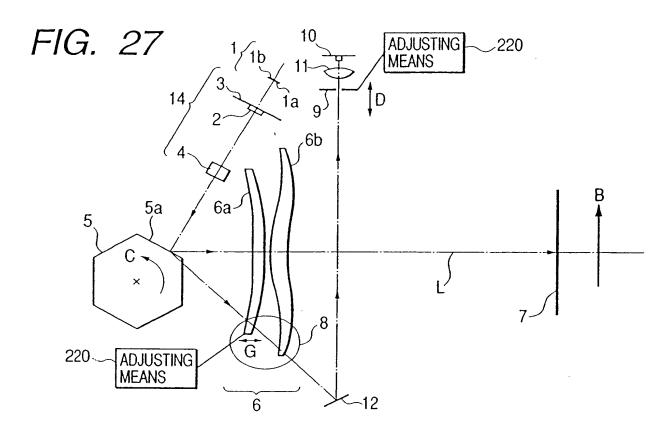


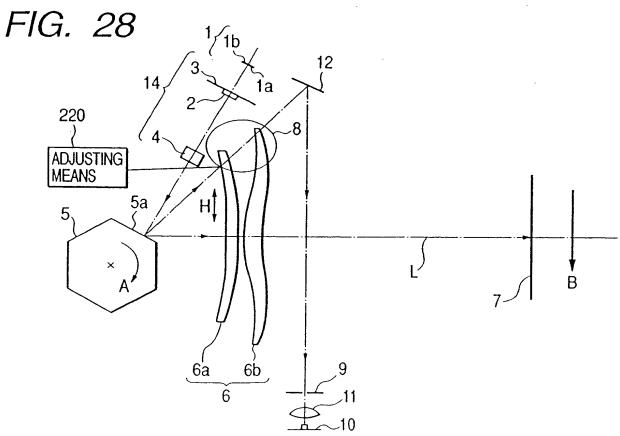












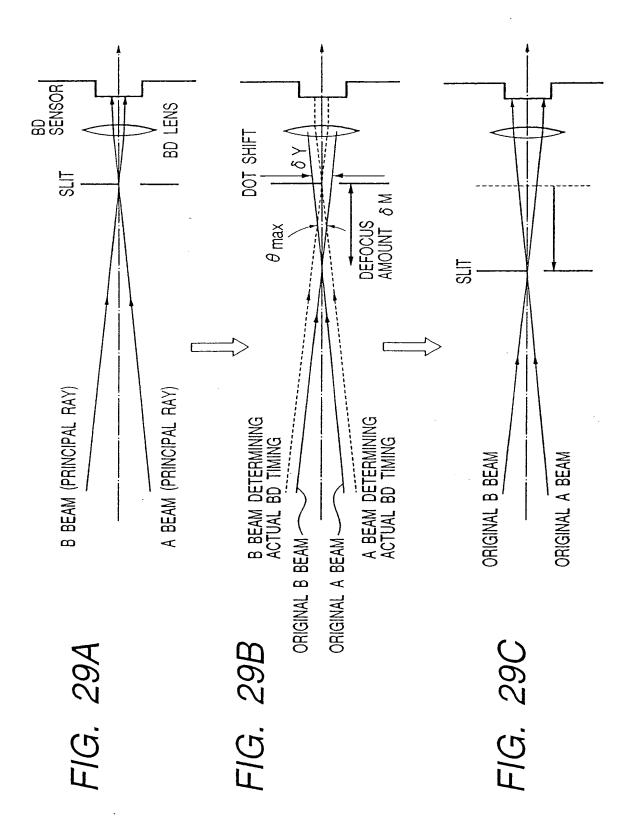


FIG. 30

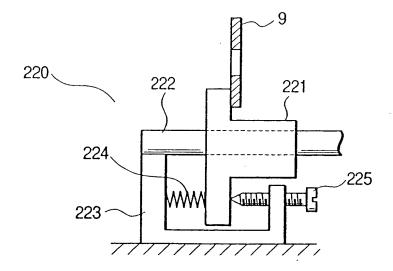


FIG. 31

